UNIVERSITY OF MYSORE.

Notification No. 2302, *dated the* 26*th July* 1933.

The following are the detailed courses of study for the examinations for the Master's Degree under the new rules :—

I. ENGLISH.

Paper I. Special Period—Poetry.
" II. Special Period—Prose.
" III. Special Author—General.
" IV. Special Author—Prescribed texts.

There will be a general study of the special period, and particular reference to particular texts but no annotation work.

The list of special authors is: Spenser, Milton, Wordsworth, Shelley.

In the study of the special author, there will be a comprehensive study of his life and English works, and a detailed verbal study (involving annotation questions) of certain prescribed works.

II. KANNADA.

Paper I. Kannada Literature—study of a selected writer or a special period.
II. Kannada Poetics and Prosody, with a comparative study of Sanskrit and other Dravidian systems.
III. Kannada Grammar and History of Kannada Language with comparative Dravidian Philology.
IV. Cultural and Historical Studies with special reference to the Karnataka History and Culture: A general knowledge of social and political history; History of Religions, namely, Vedism, Buddhism, Jainism, Vaishnavism and Saivism; Architecture; Sculpture and Iconography; Palaeography and Numismatics.

III. SANSKRIT.

Paper I. Veda: Detailed study of prescribed books representing the various stages of the Vedic Literature.
II. Veda: A Critical enquiry into the growth and value of the Vedic Literature in general (including the Vedangas).

Papers III and IV: One of the following groups:—

Darsana: Paper III. A detailed study of prescribed books relating to one of the Darsanas.
IV. A critical enquiry into the growth and value of Darsana Literature in general.

Vyakarana: Paper III. Detailed study of the prescribed books relating to Vyakarana Sastra.
" IV. A critical enquiry into the growth and value of Vyakarana Literature.

Alankara: " III. Detailed study of prescribed books, relating to Alankara Sastra.
" IV. A critical enquiry into the growth and value of Alankara Literature.

Philology: " III. History of Sanskrit Language.
" IV. Elements of Indo-German Philology.

IV. PERSIAN.

Papers I and II } Critical study of Persian Literature in Ancient and Old Persian.

Papers III and IV } Any *two* of the following (one paper in each):—

1. Indo-Iranian Philology.
2. The criticial study of Sufistic Mysticism.
3. The Development of Persian Odes and Mathnawi.
4. The Historical and Biographical Literature.
5. The Development of Persian Literature in India from 1200 to 1700 A.D.

V. HISTORY.

Paper I. Historic Method.

Papers II and III } Indian Historical Research since about 1884.

Paper IV. A special period of History to be studied with reference to original sources.

VI. ECONOMICS.

Paper I. Recent Developments in Economic Theory.
" II. Recent Developments in Applied Economics.
" III. A special subject.
" IV. A special subject.

VII. MENTAL AND MORAL SCIENCE.

The degree to be awarded on a thesis only.

VIII. MATHEMATICS: I (M.Sc.)

Compulsory: Paper I—Analysis.
" II—Geometries.

Optional:* Papers III and IV } Any *two* of the following (one paper in each):—

i. Theory of Functions of a Complex Variable.
ii. Projective Geometry.
iii. Non-Euclidean Geometry.
iv. Linear Differential Equations.
v. Elliptic Functions.
vi. Theory of Numbers.
vii. Theory of Functions of a Real Variable.
viii. Theory of Integral Equations.
ix. Differential Geometry.
x. Astronomy and Astrophysics.
xi. Electro-Magnetic Theory.
xii. Relativity.
xiii. Radiation including the Quantum Theory.
xiv. Advanced Dynamics.
xv. Hydro-Mechanics.
xvi. Kinetic Theory of Gases.
xvii. Celestial Mechanics.
xviii. Attractions and Potentials.
xix. Heat conduction and Thermo-Dynamics.
xx. Theory of Elasticity.

MATHEMATICS: II (M.A.)

Compulsory: Paper I—Analysis.
" II—Theoretical Statistics.

Optional:* Papers III and IV } Any *two* of the following (one paper in each):—

i. Theory of Functions of a Complex Variable.
ii. Projective Geometry.
iii. Non-Euclidean Geometry.
iv. Linear Differential Equations.
v. Elliptic Functions.
vi. Theory of Numbers.
vii. Theory of Functions of a Real Variable.
viii. Theory of Integral Equations.
ix. Differentail Geometry.
x. Actuarial Science—Problems of Graduation.
xi. Actuarial Science—Problems of Valuation.
xii. Bio-Metrics.
xiii. Mathematical Economics.

* *Note.*—The list of optional subjects is provisional.

IX. PHYSICS.

Compulsory: Papers I and II } On Modern Physics *

*The following is the scope of the examination:—

The Electron Theory, Thermionics, Quantum Theory, Critical Potentials of Atoms and Molecules, Photo-electricity, X-Rays and Y-Rays, Optical Spectra, Cathode Rays, Positive Rays, Radio-active Transformations, Constitution of Atoms, Gaseous Ions, Theory of Electric Arc, Electric discharge in Gases, Electro-magnetic Oscillations and Waves.

Optional: Papers III and IV } Any *one* of the following with 2 papers in each :—

i. X-Rays.
ii. Quantum Theory.
iii. Relativity.
iv. Wireless.
v. Spectroscopy.
vi. Wave Mechanics.
vii. Radio-activity.

X. CHEMISTRY.

Paper I. General Chemistry (Inorganic, Physical and Organic).
" II. Inorganic Chemistry.
" III. Physical Chemistry.
" IV. Organic Chemistry.

Candidates who offer a dissertation will have to take the first paper and *one* of the other three.

XI. BOTANY.

Compulsory: Papers I and II. On recent advances in Botany as could be gathered by a study of the following journals from 1920 :—

1. Annals of Botany.
2. New Phytologist
3. Botanical Gazette.
4. American Journal of Botany.
5. Journal of the Indian Botanical Society.
6. Memoirs of the Department of Agriculture.

Optional: Papers III and IV } Any *two* of the following subjects (one paper in each):—

1. Special Morphology of Angiosperms.
2. " Gymnosperms.
3. " Pteridophytes.
4. " Bryophytes.
5. " Algæ.
6. " Fungi.
7. Ecological Anatomy.
8. Anatomy, Morphology and distribution of Lichens.
9. Special Cytology.

XII. GEOLOGY.

Compulsory: Papers I and II. On recent advances in Geology.
Optional: " III and IV. Any *one* of the following :—

1. Petrology.
2. Mineralogy and Crystallography.
3. Stratigraphy and Paleontology.

XIII. ZOOLOGY.

Compulsory: Two papers (Paper I and Paper II) on a syllabus covered by the following :—

1. Cytology—W. E. Agar.
2. Cell in Development and Inheritance—E. B. Wilson.
3. Text-book of Embryology—E. W. McBride.
4. Text-book of Embryology—J. W. Jenkinson.
5. Text-book of Embryology—Graham Kerr.
6. Structure and Development of Vertebrates from the developmental standpoint—E. S. Goodrich.
7. Orders of Mammals—W. K. Gregory.

Optional: Two papers (Papers III and IV) on any *one* of the following groups and of the literature bearing on the subject of study not earlier than 1922 :—

1. Land Planarians.
2. Fresh water Crustacea
3. Scorpionida.
4. Land and Fresh water Mollusca of Mysore (S. India).
5. Hirudinea.
6. Oligochaeta of Mysore (S. India)
7. Fresh water fishes of Mysore (S. India)
8. Amphibia of Mysore (S. India).
9. Reptiles of Mysore (S. India).
10. Mammalian Embryology.
11. Comparative Anatomy of domesticated animals.

In respect of the compulsory papers, the candidates are required to submit a set of slides illustrative of not less than six stages of the developmental features of any vertebrate and the cytology of the glandular and germinal cells. They should produce notes giving a description of slides studied by them.

In respect of the optional papers, the candidates of any year shall offer only *one* of the groups. They are required to present their collection of material and evidence of the study of the forms collected.

Note.

(1) A thesis may be offered in lieu of all the four papers in cases II-VI and in lieu of the optional papers in cases VIII-XIII.

(2) The specification of papers in History and in Economics is subject to the approval of the University authorities concerned.

(3) In all cases, there shall be a ***viva voce*** examination.

(*Government Order No. E.* 4458—*Uni.* 91-32-23, *dated the* 30*th June* 1933.)

By Order,

V. GOPALASWAMI AIENGAR,
Registrar.

OFFICE OF THE SECRETARY, DISTRICT AD-HOC SCHOLARSHIP COMMITTEE, KOLAR.

Dated 7th August 1933.

The accompanying statement furnishes the names of the students who have been awarded III grade Backward Committee Scholarships of Rupees 6-0 0 and 4-8-0 each per mensem for ten months from 1st June 1933, or from the date of their joining the School whichever is later till the end of March 1934. These awards are made subject to the conditions of satisfactory progress, conduct and attendance.

Sl. No.	Name	Group	Caste	Class	Name of School	Remarks
				Form		Rs. a. p. per mensem
1	B Venkatasami ...	I	Nayinda	VI	Government High School, Kolar ...	4 8 0
2	B V Narayanasami ...	I	Agasa ...	V	M. High School, Bowringpet ...	6 0 0
3	T Krishnappa ...	II	Banajiga ...	VI	High School Kolar ...	6 0 0
4	C R Chickakrishnappa ...	,,	Do ...	,,	Do ...	6 0 0
5	B V Prasad ...	,,	Satani ...	,,	H. S., Chickballapur ...	6 0 0
6	Venkatarayappa ...	,,	Banajiga ...	IV	Do do ...	6 0 0
7	K M Rajagopal ...	,,	Do ...	VI	M. H. S., Bowringpet ...	6 0 0
8	M Krishnan ...	,,	Do ...	,,	Do do ...	6 0 0
9	A Venkatakrishnaiah ...	,,	Do ...	IV	M. H. S., Chintamani ...	6 0 0
10	K S Krishnappa ...	III	Neygi ...	V	H. S., Kolar ...	6 0 0
11	A G Venkataramaniah ...	,,	Ganiga ...	VI	M. H. S, Chintamani ...	6 0 0
12	K N Munisami ...	IV	Beda ...	V	H. S., Kolar ...	6 0 0
13	C Pillappa ...	V	Golla ...	V	Do ...	6 0 0
14	K Ganganna ...	,,	Do ...	,,	Do	6 0 0
15	K Krishnappa ...	,,	Do ...	IV	Do ...	6 0 0
16	G Annappa ...	,,	Do ...	VI	H. S., Chikballapur ...	6 0 0
17	C N Lakshmana ...	,,	Do ...	,,	Do ...	4 8 0
18	P Gopalaiah ...	,,	Do ...	IV	M. H. S., Bowringpet ...	6 0 0
19	B Narayanappa ...	,,	Besta ...	VI	Do Chintamani ...	6 0 0
20	K Butchappa ...	,,	Do ...	,,	Do do ...	6 0 0
21	S Venkatappa ...	,,	Do ...	IV	Do do ..	6 0 0
22	K Dasappa ...	,,	Golla ...	,,	Do do .	6 0 0
23	K Rangappa ...	VI	Kuruba ...	VI	H. S., Kolar ...	6 0 0
24	M Siddappa ...	,,	Do ...	,,	Do ...	6 0 0
25	K M Krishnappa ...	,,	Do ...	,,	Do ...	6 0 0
26	S Surappa ...	,,	Do ...	,,	Do ...	4 8 0
27	D V Hanumanthaiya ...	,,	Do ...	,,	Do ...	4 8 0
28	J S Kanakaiah ...	,,	Do ...	V	Do ...	6 0 0
29	R Narayanaswamy ...	,,	Do ...	,,	Do ...	6 0 0
30	C M Muniswamy ...	,,	Do ...	VI	H. S., Chikballapur ...	4 8 0
31	D Munivenkataravanappa...	,,	Do ...	,,	Do ...	4 8 0
32	B N Gudiyappa ...	,,	Do ...	IV	H. S., Chintamani ...	6 0 0
33	K R Neelakantaiah ...	VIII	Lingayet ...	VI	H. S., Kolar ...	6 0 0
34	S H Nanjundappa ...	,,	Do ...	,,	Do Chikballapur ...	6 0 0
35	C N Nemballappa ...	IX	Vokkaliga ...	,,	H. S., Kolar ...	6 0 0
36	T Venkatappa ...	,,	Do ...	,,	Do ...	6 0 0
37	S M Chinnappa ...	,,	Do ...	V	Do	6 0 0
38	M Muniyappa ...	,,	Do ...	IV	Do ...	6 0 0
39	T Krishnappa ...	,,	Do ...	VI	H. S., Chikballapur ...	6 0 0
40	V Muddappa ...	,,	Do ...	,,	Do ...	6 0 0
41	B Muniyappa ...	,,	Do ...	,,	M. H. S., Bowringpet ...	6 0 0
42	V Munivenkatappa ...	,,	Do ...	,,	Do ...	6 0 0
43	C N Naranappa ...	,,	Do ...	,,	M. H. S., Chintamani ...	6 0 0
44	G Vasudevachari ...	X	Goldsmith ...	,,	H. School, Kolar ...	6 0 0
45	V Nanjundappa ...	,,	Nagartha ...	,,	H. S., Chikballapur ...	6 0 0
46	K S Narayanasetty ...	XI	Vaisya ...	V	M. H. S., Chintamani ...	6 0 0
47	C Papanna ...	XII	Christian ...	VI	H. S., Chikballapur ...	6 0 0

S. SRINIVASA RAO,
Secretary.